

Demystifying Mac Libraries

Presentation to New Faculty

December 9, 2016



Who You'll Be Hearing From



Vivian Lewis
University Librarian



Wade Wyckoff
Associate University Librarian, Collections



Lianne
Romane
Learning
Support
Coordinator

Andrea McLellan
Head of Collections &
Technical Services
School of Medicine Liaison
Health Sciences Library



Jay Brodeur
Manager, Maps, Data
& GIS

The Library isn't about....



Most importantly, the Library isn't...



The University Library's Vision:

*“To be a catalyst for intellectual activity
for the University and our community”*

Library Collections at McMaster

Wade Wyckoff

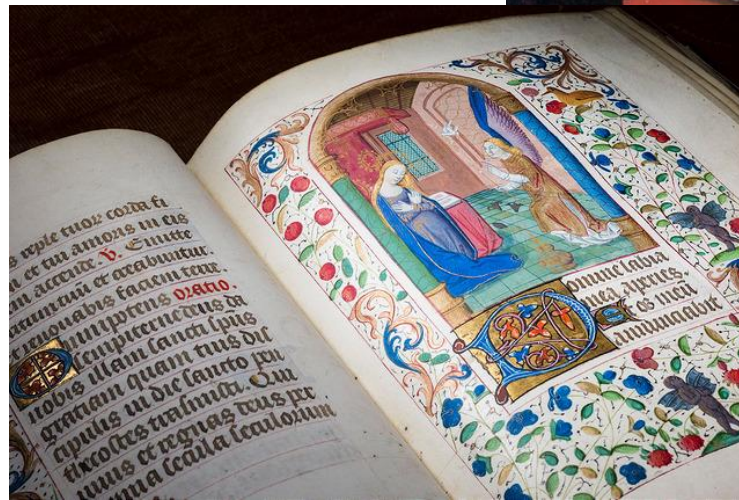
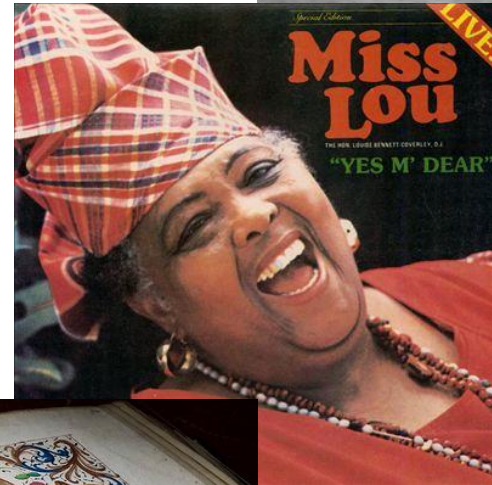
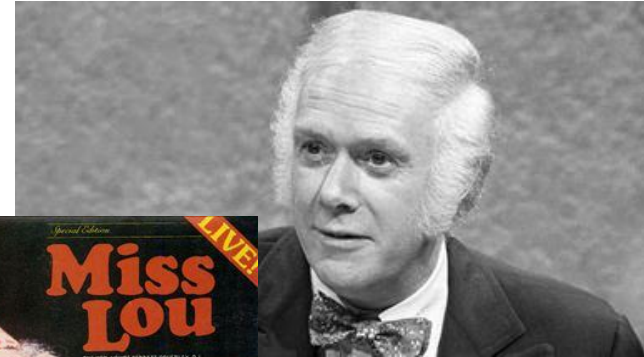
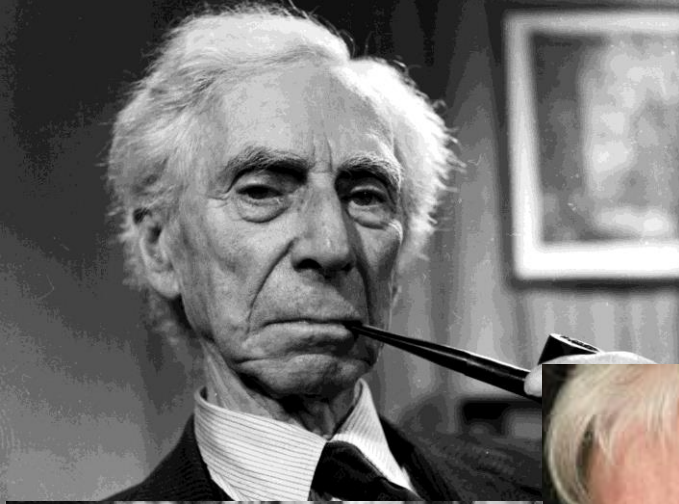
Associate University Librarian, Collections
McMaster University Library

Library Collections, by the numbers

- 2 libraries, 4 locations
 - University Library: Mills, Thode, Innis
 - Health Sciences Library
- More than 2.2 million volumes (or “would be” volumes), including
 - 1.3 million print monographs
 - 600,000 e-books
- Nearly 90,000 e-journal titles and 1,100 print journal subscriptions

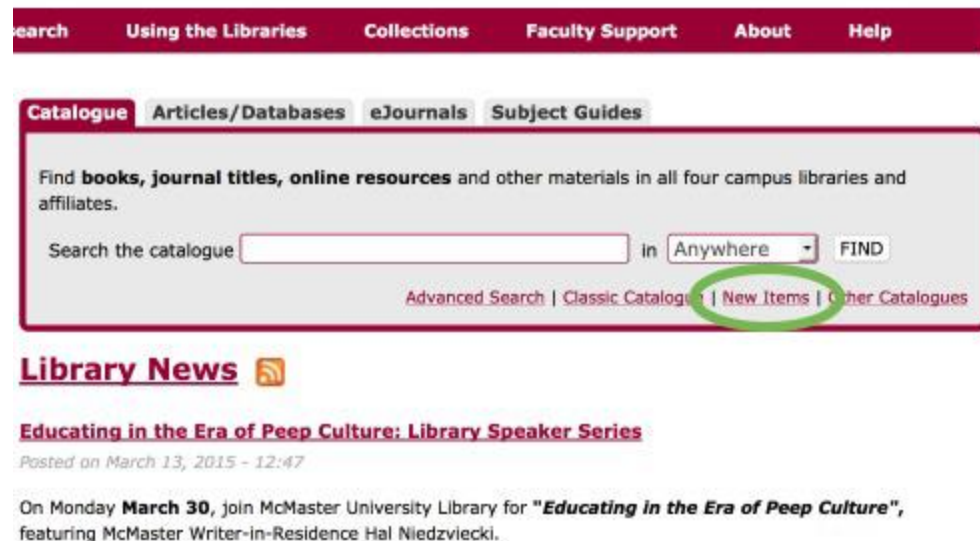


The William Ready Division of Archives and Research Collections



How do I find these collections?

- Library Catalogue
- Website
- Specialized databases
- Google Scholar
Configuration information:
<https://library.mcmaster.ca/articles/google-scholar>
- Archives in the William Ready Division:
<http://archives.mcmaster.ca/>
- Digital Archive:
<http://digitalarchive.mcmaster.ca/>



Want to get in touch with us? *(Sticky notes not required)*

- Faculty Library Representatives:
<http://library.mcmaster.ca/contact/liaisons/faculty-reps>
- Recommendation forms
<http://library.mcmaster.ca/forms/>
- Talk with a real person!
 - University Library collections:
 - Janice Adlington, Collection Development Coordinator
 - William Ready Division of Archives and Research Collections:
 - Extension 22789 or archives@mcmaster.ca
 - Health Sciences Library collections:
 - Andrea McLellan, Head of Collections and Technical Services



Learning Support and Research Help

Leeanne Romane, MLIS
Learning Support Coordinator
McMaster University Library



Researching Better

We help students move beyond learning how just to use the resources to learning how to understand the research process, and help them learn skills and concepts that improve their searching.

- Choosing better search terms
- Understanding resources types
- Which databases to use and why
- Focusing their results
- Evaluating the resources they find



Critical Thinking

For students to excel at researching they need to think critically about their research topics, the resources, the process, the impact and influences, and their contribution.

- Authority is Constructed and Contextual
- Information Creation as a Process
- Information has Value
- Scholarship as Conversation
- Searching as Strategic Exploration



Citations

Academic Integrity is fundamental to higher education and scholarship. Supporting students as they navigate ethical expectations encourages them to meet those expectations.

- Plagiarism and how to avoid it
- Citation styles
- Managing citations

Instruction Requests

[Home](#) > [Faculty Support](#) >

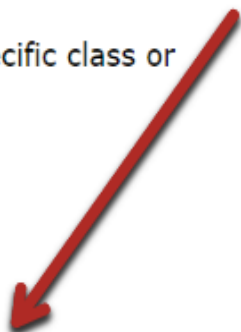
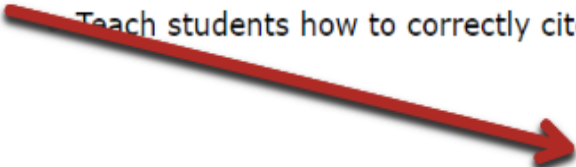
Information Literacy and Research Skills for Students

The Library is your partner in teaching, learning and research.

We offer course-related and course-integrated instruction to McMaster faculty and students on how to find, evaluate and use information effectively and ethically.

We can:

- Provide advice on creating effective library and information research assignments.
- Teach your students and TAs how to search for information effectively.
- Create a course guide to help your students navigate through the Library's resources for a specific class or assignment.
- Educate students about plagiarism and the ethical use of information.
- Teach students how to correctly cite sources in their papers and bibliographies.



To request a class, please complete the form at <http://library.mcmaster.ca/forms/library-class-request>

For more information, read our Information Literacy Goals: <http://library.mcmaster.ca/liaison/info-lit>

Other Ways We Support Students' Learning

- How Library Stuff Works video series

How **library**
stuff **works**

video tutorials

- Research Consultations
(Library home page > Help)

[Request a Research Consultation](#)

Need one-on-one time with a librarian? Request a research consultation!

-- --

Open Access and Grant Requirements

A Quick Guide to Navigating the Waters

Created by

Neera Bhatnagar (Health Sciences Library) & Olga Perkovic (Mills Library)

Presented at Faculty Orientation, Dec. 6, 2016



Social Sciences and
Humanities Research
Council of Canada

Canada

Conseil de recherches
en sciences humaines
du Canada



CIHR IRSC

Canadian Institutes of
Health Research Instituts de recherche
en santé du Canada

Session Outline



- Introduction to [Tri-Agency Open Access Policy](#)
- Compliance Options
 - 1) Immediate Open Access or Open Access within 12 months
 - 2) Leverage **Online Repositories**

Visit our Open Access page:

<http://library.mcmaster.ca/scholarly-communication/open-access>

Tri-Agency Open Access Policy Statement



All research papers resulting from the funded research must be freely accessible within 12 months of publication

- Acknowledge Agency support by quoting the funding reference number in journal publications

Other Agency Open Access Policy Statements



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Heart and Stroke Foundation of Canada

1 funder found.

[Heart and Stroke Foundation of Canada \(HSF\) /
Fondation des maladies du coeur du canada \(FMC\)](#)

Country: Canada

[Open Access Archiving](#) | [Open Access Publishing](#) | [Data Archiving Policy](#) | [Key to OA Ticks](#)

Publications Policy

Open Access Archiving

	Whether to Archive: * Requires deposition in Open Access archives
	What to Archive: * Peer-reviewed publications * Full text * Unspecified format
	When to Archive: * At the date of publication * Acceptable embargo: up to 6 months after publication
	Where to Archive: * On the authors' own websites (Alternative) * In appropriate institutional repositories (Alternative) * In appropriate disciplinary repositories (Alternative) * In named repositories... (Preferred) * PubMed Central (PMC) Canada (Preferred) * PubMed Central International site (Preferred)
	Archiving Conditions: * [No information]

Open Access Publishing

	Whether to Publish: * Requires publication in Open Access publications
	Where to Publish: * in a peer-reviewed open access journal (Preferred)
	Publishing Conditions: * Costs of open access publishing should be included in funding applications * Costs of open access publication may be reimbursed by the Heart and Stroke Foundation of Canada

General

	General Conditions: * Effective for all new projects from 01-May-2010 * The Heart and Stroke Foundation of Canada encourages compliance for all earlier projects * Applies to all projects funded totally or partly by the Heart and Stroke Foundation of Canada * Revues qui soit PMC ou de fournir un accès ouvert aux articles, avec un embargo sur les plus de 6 mois [Journals which either deposit in PMC or provide open access to articles, with an embargo no longer than 6 months] * Ordre de préférence pour l'auto-archivage est la suivante: PMC Canada, PMC International site, de discipline de dépôt, dépôt institutionnel ou un site Web personnel, puis le groupe de recherche [Order of preference for self-archiving is: PMC Canada, PMC International site, discipline deposit, institutional deposit or personal website] * La FMC reconnaît qu'il peut y avoir des limites raisonnables et des exceptions à cette règle. Cependant, elle s'attend à ce que les chercheurs ne négligent aucun effort afin de s'y conformer et qu'ils informent le personnel de la FMC immédiatement des limites raisonnables et des exceptions à la conformité. Cependant, les chercheurs sont attendus à faire tout effort raisonnable pour se conformer et à notifier immédiatement le personnel de la FMC lorsqu'il y a des exceptions ou des limitations. [Grant recipients must acknowledge HSF contributions in all peer-reviewed publications.] * Politique s'applique également aux résultats des essais cliniques dans les six mois suivant l'achèvement de l'essai. [Policy also applies to results of clinical trials within six months of completion of the trial.] * En acceptant les fonds de la FMC, les récipiendaires acceptent les termes et conditions de la subvention ou de la bourse tel que stipulés par cette politique et toute autre politique ou ligne directrice. Advenant un soupçon d'infraction à la politique, accept the terms and conditions of the grant or award as set out in this and other published policies and guidelines. In the event of an alleged breach of HSF funding policy, HSF may take steps to deal with the al]
	Policy Links: * HSF Open access to research outputs policy: Guidelines * Politique de libre accès aux résultats de la recherche de la FMC: Lignes directrices [HSF Open access to research outputs policy: Guidelines]

Data Archiving Policy

	Whether to Archive: * Requires deposition in Open Access archives
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Publication-Related Research Data



CIHR ONLY

- Deposit bioinformatics, atomic, and molecular coordinate data into the appropriate public database (e.g. gene sequences deposited in GenBank)
- Retain original data sets for a minimum of five years



COMPLIANCE OPTIONS

1. Immediate Open Access

- Article processing charge (APC) range from \$1000 – 3000+ USD **include in grant proposal*
- Consult *Author Information* section for details
- Eligible expense for Tri-Agency funds
- [Publishing discounts](#) at Mac



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journal x

1 – 2 of 2

Journal of Psychiatry and Neuroscience

Alternative title: Journal of Psychiatry & Neuroscience

Subjects: Psychiatry, Neurology. Diseases of the nervous system, Neurosciences. Biological psychiatry. Neuropsychiatry, Internal medicine, Medicine, Neurosciences. Biological psychiatry. Neuropsychiatry, Internal medicine, Medicine

Publisher: Canadian Medical Association

Publication charges?: Has charges (see <http://www.cma.ca/jpn/publicationfees>)

Journal Language: English

ISSN(s): 1180-4882, 1488-2434

Keywords: medicine, psychiatry, neuroscience, neurology

Home page: <http://www.cma.ca/publications/jpn>

Country of publisher: Canada

SHARE

Journal of the Canadian Academy of Child and Adolescent Psychiatry

Alternative title: Journal de l'Académie canadienne de psychiatrie de l'enfant et de l'adolescent

Subjects: Psychiatry, Neurology. Diseases of the nervous system, Neurosciences. Biological psychiatry. Neuropsychiatry, Internal medicine, Medicine

Publisher: Canadian Academy of Child and Adolescent Psychiatry

Publication charges?: No charges (see http://www.cacap-acpea.org/uploads/documents//2010_10_10_Instructions_to_Authors_EN.pdf)

Journal Language: English, French

ISSN(s): 1719-8429

Keywords: child mental health, adolescent mental health

Home page: http://www.cacap-acpea.org/en/cacap/Journal_p828.html

Country of publisher: Canada

database of reputable
open access journals in
all disciplines



**2. PUBLISH IN A JOURNAL THAT
MAKES CONTENT OPEN ACCESS
WITHIN 12 MONTHS**

SHERPA/RoMEO



. . . opening access to research

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One journal found when searched for: **bmj**

Journal:	BMJ (ISSN: 0959-8138, EISSN: 1756-1833) [Journal is Open Access]
RoMEO:	This is a RoMEO green journal
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✓ author can archive publisher's version/PDF
General Conditions:	<ul style="list-style-type: none">• Publisher copyright and source must be acknowledged• Must link to publisher version• Publisher's version/PDF may be used• Creative Commons Attribution License or Creative Commons Attribution Non-Commercial License available (depending on requirement of funding agency)
Mandated OA:	(Awaiting information)
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Link to this page:	http://www.sherpa.ac.uk/romeo/issn/0959-8138/
Published by:	BMJ Publishing Group : BMJ - Green Policies in RoMEO

This summary is for the journal's *default* policies, and changes or exceptions can often be negotiated by authors.
All information is correct to the best of our knowledge but should not be relied upon for legal advice.

database of journal and
publisher copyright policies

3. Leverage Online Repositories

- Deposit *Final Peer-Reviewed Manuscript* in Repository (e.g. [MACSphere](#)) within 12 months of publication



PubMed Central Canada

- Deposit CIHR funded articles
- Operational since October 2009
- Partnerships: **CIHR, NRC-CISTI, NLM (US)**
- Searchable using **PMC (US) & Europe PMC**



Pub**Med** CENTRAL
C A N A D A



Putting it all Together

- Awarded a Tri-Agency grant?
- Wish to publish in *Social Science & Medicine*?

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1 – 10 of 11

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Copyright & Archiving



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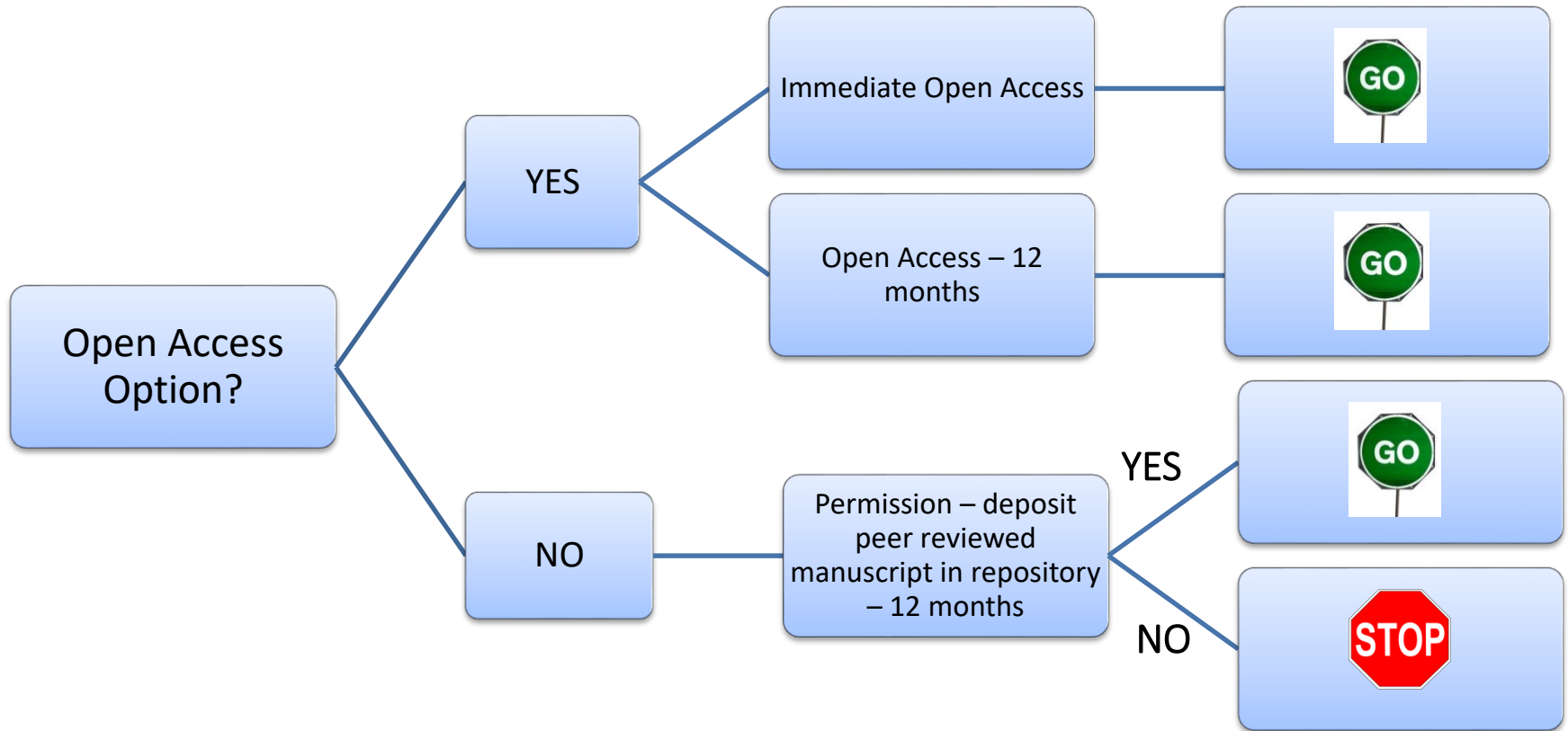
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One journal found when searched for: 0277-9536

Journal: Social Science and Medicine (ISSN: 0277-9536)	
RoMEO: This is a RoMEO green journal	
Paid OA: A paid open access option is available for this journal	
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✗ author cannot archive publisher's version/PDF
General Conditions:	
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Mandated OA: Compliance data is available for 57 funders	
Paid Open Access: Open Access	
Notes:	
	<ul style="list-style-type: none">• Publisher last contacted on 18/10/2013
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Updated: 16-May-2014 - Suggest an update for this record	

Embargo period for this journal is 36 months

Tri-Agency Open Access Policy



Open Access Interactive Tool

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Open Access Interactive Tool

Tri-Agency Funding

* Was the research published in this manuscript funded by NSERC, SSHRC or CIHR?

☐ Yes ☐ No

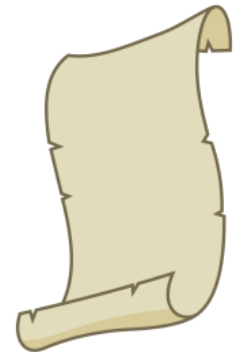
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Tri-Agency Author Addendum

[Journal] acknowledges that the researcher will be entitled to archive an electronic copy of the final, peer-reviewed manuscript for inclusion in (name of repository). Manuscripts archived with (name of repository) may be made freely available to the public, via the internet, within twelve months of the official date of final publication in the journal.

PubMed Central Author Addendum

Journal acknowledges that the researcher will be entitled to deposit an electronic copy of the final, peer-reviewed manuscript for inclusion in PubMed Central Canada (PMC Canada), and for this manuscript to be mirrored to PMC and all PMC International sites. Manuscripts deposited with PMC Canada (and PMC and PMC International sites) may be made freely available to the public, via the internet, within 12 months of the official date of final publication in the journal.

CARL/SPARC – Author Addendum



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More Information



- Open Access – links to resources

<http://library.mcmaster.ca/scholarly-communication/open-access>

Contact:

scom@mcmaster.ca (Office of Scholarly Communication)

hslib@mcmaster.ca (Health Sciences Library)

sobyrne@mcmaster.ca – (Sarah O’Byrne, Copyright Counsel,
Office of Legal Services)

Services for Researchers

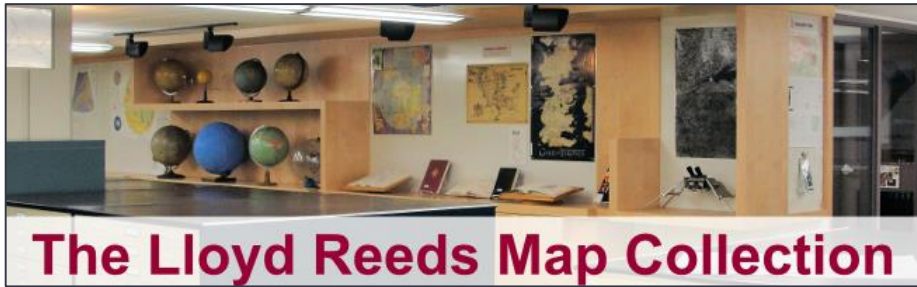
A variety of services are offered by liaison librarians :

- ✓ Hands-on training of health databases and finding grey literature
- ✓ Expert search methodology guidance for syntheses research (e.g. systematic reviews)
- ✓ Guidance on author identity and citation metrics
- ✓ Curriculum collaboration for accredited programs

<http://hsl.mcmaster.ca/services/researchers/>

Online Training / In-Person Support

- Information Desk staff to help you locate health information
- Robust ***Guides*** on specific Topics or to support Programs:
<http://hsl.mcmaster.libguides.com/>
- ***Online tutorials*** covering every major health database:
<http://hsl.mcmaster.libguides.com/tutorials>



library.mcmaster.ca/mapsdatagis

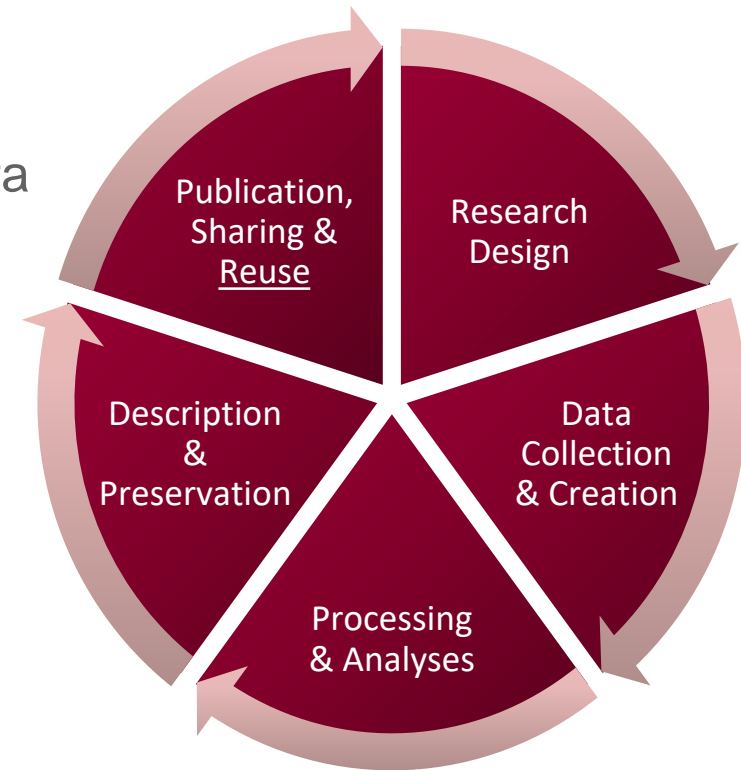


Research Data Management (**RDM**) is...

... the **active organization** & maintenance of data

... the **application of best practices** to ensure data security, accessibility, usability, and integrity

... a **set of activities** resulting in self-describing data sets that can be discovered and reused



Requirements and Expectations

Funding Agencies and Governments



Publishers and Research Communities



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Home > Research Funding Collaboration > Policies and Guidelines > Data Management > Tri-Agency Statement of Principles on Digital Data Management

Partnerships and Projects

Meet Canada's scientists and professionals

Canadian High Arctic Research Station

Northern Contaminants Program

Canada's Extended Continental Shelf Program

Health Canada: Centre for Vaccine Evaluation

Science and Technology Data

Research Funding Collaboration

Co-operative Funding Programs

Policies and Guidelines

Open Access

Selecting the Appropriate Federal Granting Agency

Research Ethics

Responsible Conduct of Research

Public Communications

Tri-Agency Statement of Principles on Digital Data Management

1. Preamble

The [Canadian Institutes of Health Research \(CIHR\)](#), the [Natural Sciences and Engineering Research Council of Canada \(NSERC\)](#), and the [Social Sciences and Humanities Research Council of Canada \(SSHRC\)](#) (the agencies) are federal granting agencies that promote and support research, research training, knowledge transfer and innovation within Canada.

As publicly funded organizations, the agencies are strong advocates for making the results of the research they fund as accessible as possible. In promoting access to research results, they aspire to advance knowledge, avoid research duplication and encourage reuse, maximize research benefits to Canadians and showcase the accomplishments of Canadian researchers. These aspirations align with the Government of Canada's commitment to open science, as described in [Seizing Canada's Moment: Moving Forward in Science, Technology and Innovation](#) (2014).

Research data include observations about the world that are used as primary sources to support scientific and technical inquiry, scholarship and research-creation, and as evidence in the research process.¹ Research data are gathered through a variety of methods, including experimentation, analysis, sampling and repurposing of existing data. They are increasingly produced or translated into digital formats. When properly managed and responsibly shared, these digital resources enable researchers to ask new questions, pursue novel research programs, test alternative hypotheses, deploy innovative methodologies and collaborate across geographic and disciplinary boundaries. The ability to store, access, reuse and build upon digital research data has become critical to the advancement of science and scholarship, supports innovative solutions to economic and social challenges, and holds tremendous potential for Canada's productivity, competitiveness and quality of life.

Tri-Agency Statement of Principles on Digital Data Management

<http://www.science.gc.ca/default.asp?lang=En&n=83F7624E-1>

Tri-Agency Statement of Principles on Digital Data Management: **Expectations**

- ✧ Data management planning
- ✧ Constraints and obligations
- ✧ Adherence to standards
- ✧ Collection and storage
- ✧ Metadata
- ✧ Preservation, retention and sharing
- ✧ Timeliness
- ✧ Acknowledgement and citation
- ✧ Efficient and cost-effective

Tri-Agency Statement of Principles on Digital Data Management:

Responsibilities

Researchers

- incorporating best practices
- developing DMPs
- adhering to policies and standards

Research Institutions

- supporting best practices
- providing access to resources
- creating guidance and policies

Research Communities

- developing & promoting standards
- fostering excellence
- selecting repositories

Research Funders

- developing policies & guidance
- promoting data management
- providing peer reviewers

McMaster
University
LIBRARY



RDM
@McMaster



What are researchers' data management obligations?

What challenges do researchers face in managing their data?

How can the library help researchers address their data management needs?

DMP ASSISTANT PGD

DATA MANAGEMENT PLANS
PLANS DE GESTION DES DONNÉES

A web-based, *bilingual* data management planning tool made available to all researchers in Canada through the Portage network

A guide for best practices in data stewardship

The screenshot shows the DMP Assistant web application interface. At the top, it features the McMaster University Library logo and the MAPS DATA GIS logo. The header includes a link to the 'Version française' and a user login status 'Signed in as RDM_@McMaster'. Below the header, there is a navigation bar with buttons for 'My plans', 'Create plan', 'About', and 'Help'. The main content area is titled 'My plan (Portage Template)' and shows a progress bar indicating '0/20 questions answered'. A 'Tips' section provides guidance on answering questions. Below this, there is a table with four columns: 'Plan details', 'Portage Data Management Questions', 'Share', and 'Export'. The table lists four categories of questions: 'Data Collection' (3 questions, 0 answered), 'Documentation and Metadata' (3 questions, 0 answered), 'Storage and Backup' (3 questions, 0 answered), and 'Preservation' (2 questions, 0 answered). Each row has a plus sign icon in the 'Export' column.

Plan details	Portage Data Management Questions	Share	Export
Data Collection	(3 questions, 0 answered)		+
Documentation and Metadata	(3 questions, 0 answered)		+
Storage and Backup	(3 questions, 0 answered)		+
Preservation	(2 questions, 0 answered)		+

Available at: <https://portagenetwork.ca> | <https://reseauportage.ca>

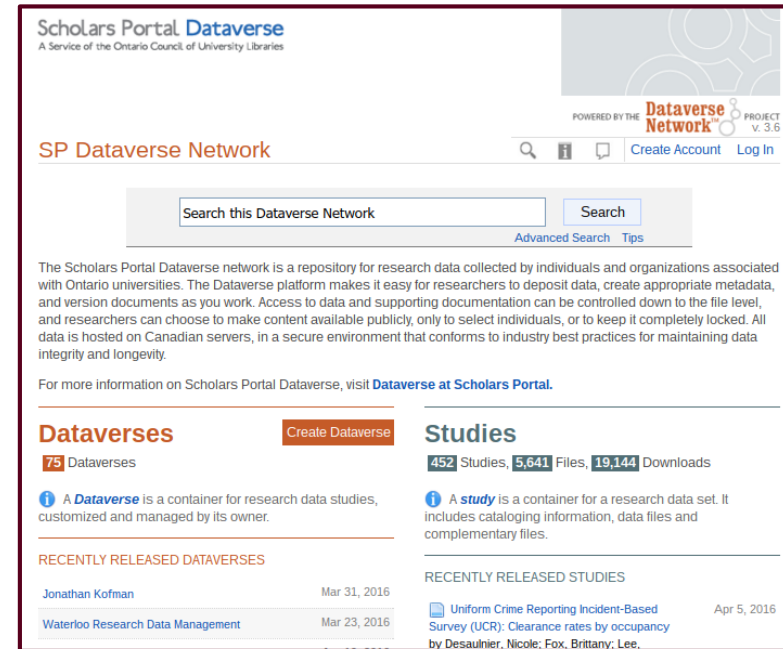
Scholars Portal Dataverse

A repository for research data collected at Ontario's universities.

An online platform to share, preserve, cite, explore and analyze research data.

Allows researchers to control how they share their data.

Supports data DOI registration through Datacite Canada.



Available at: dataverse.scholarsportal.info



For more RDM information



library.mcmaster.ca/rdm
rdmgmt@mcmaster.ca

McMaster Library's RDM webpage
and primary contact

portagenetwork.ca/

CARL Portage Network page: Access
to RDM information and DMP Assistant



The Institutional Repository



&

Open Access Journals at McMaster





macsphere.mcmaster.ca

MacSphere (McMaster Libraries' Institutional Repository):

- **Brings together** the scholarly output of the university
- **Preserves and makes freely available** all types of digital content including documents (theses, manuscripts, articles, etc.), images, video and data sets.

Recent Submissions

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Oxygen Transfer in a Countercurrent, Pulsed Bubble Column

[See](#)

<p> A 5. 0 em. diameter column was used for gas absorption. The column contained internal baffling and was operated in a countercurrent mode. Oxygen comprised the gaseous phase and tap water the liquid&...

● ○ ○ ○ ○ ○

About MacSphere

MacSphere is McMaster University's Institutional Repository (IR). The purpose of an IR is to bring together all of a University's research under one umbrella, with an aim to preserve and provide access to that research. The research and scholarly output included in MacSphere has been selected and deposited by the individual university departments and centres on campus.

To contribute to McMaster's Institutional Repository, please sign on to MacSphere with your MAC ID. If you have any questions, please contact the [Office of Scholarly Communication](#).

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278

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Abstract:	<p><p> A 5. 0 em. diameter column was used for gas absorption. The column contained internal baffling and was operated in a countercurrent mode. Oxygen comprised the gaseous phase and tap water the liquid phase. The column was operated both with and without pulsations. The injection and exhaustion of compressed air to the system provided the pulsation mechanism. The mixing as well as the mass transfer characteristics were examined. A Set of experiments independent of the mass transfer work was carried out in order to study mixing in the column. A refluxing mechanism is uncovered in the mixing experiments. Values for the axial dispersion coefficient, volumetric mass transfer coefficient and reflux ratio are reported over the range of the operating parameters. </p></p>
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